

unknown from the Mesozoic, and will be described separately. The nodules are of Cretaceous age. They enclose numerous marine shells and various plant-remains, well petrified. Unlike the 'coal-balls' and 'roof-nodules,' they are not contained in coal-seams or in the roof thereof, but occur in a thick series of shales below the coals, which appear to be of Tertiary age. The microscopic aspect of the matrix shows that it is highly granular, unlike the matrix of coal-balls and roof-nodules. Chemically they consist of about 60 per cent. of carbonates, both lime and magnesia being present, with 30 per cent. of silicates; the large proportion of silicates is an important point of difference from the Carboniferous nodules. In having numerous plant-fragments in a single nodule and in the type of petrification the nodules are like coal-balls; in having marine shells included in the matrix they are more like roof-nodules. They probably represent fragments of tangled débris, which drifted out to sea but a short distance, and then were speedily petrified. The Authoress acknowledges help from the Government Grant Committee of the Royal Society in carrying out the research, and also from the Japanese Government, the Imperial University, and the local Government of Hokkaido, together with the Tunko Kaisha of Hokkaido.

MISCELLANEOUS.

On some new Steosaurs from the Oxford Clay of Peterborough.

To the Editors of the 'Annals and Magazine of Natural History.'

GENTLEMEN,—Since the publication of my paper on the above subject in the last number of this Magazine (March 1st), a part of the 'Palæontographica' (Bd. 55, Lief. 5 & 6) has been issued, containing a memoir by Dr. E. Auer, also on some Steosaurs from the same horizon and locality. In this the author describes as a new species *St. teleosauroides*, the form which I named *St. leedsi*, and as a new variety, *St. larteti*, var. *kokeni*, the animal which I regarded as specifically distinct under the name *St. durobrivensis*.

It seems unfortunate that Dr. Auer should have been anticipated by my brief note after he has taken such pains to produce so excellent a memoir.

CHARLES W. ANDREWS.

17th March, 1909.